

GANTMAN, V.B.

KOFERIN, V.V.; GANTMAN, V.B.; NEPOMNYASHCHAYA, T.F., redaktor; STANKOVSKIY, A.P., inzhener, redaktor; SMOL'YAKOVA, M.V., tekhnicheskij redaktor.

[A mechanic's handbook on the operation and repair of building industry equipment] Spravochnik mekhanika po ekspluatatsii i remontu stroitel'nogo oborudovaniia. Moskva, Gos.isd-vo lit-ry po stroyt. i arkhit., 1954. 240 p.
(Building machinery)

GANTMAN, V. B.

GANTMAN, V. B.: "Support pressures as a factor in the capacity of single-bucket caterpillar-type excavators on weak soils." Min Higher Education USSR. Moscow Inst of Water Economy Engineers imeni V. R. Vil'yams. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Source: Knizhnaya letopis' No. 28 1956 Moscow

GANTMAN, V. B., kandidat tekhnicheskikh nauk.

Specific pressure on soil exerted by one-bucket crawler excavators.
Stroi.i dor.mashinostr. 2 no.8:8-11 Ag '57. (MLRA 10:9)
(Excavating machinery) (Soil mechanics)

GANTMAN, V.B.

AUTHOR: Gantman, V.B., Candidate of Technical Sciences 99-9-6/9

TITLE: Questions Pertaining to the Ability of Caterpillar Excavators to Move Over Loose Grounds" (Voprosy prokhodimosti gusenichnykh ekskavatorov na slabikh gruntakh)

PERIODICAL: "Gidrotehnika i Melioratsiya", 1957, Nr 9, pp 46-52 (USSR)

ABSTRACT: The most efficient machines for construction and maintenance of drainage systems are single-scoop excavators on caterpillar tracks with capacities from 0.25 to 2.0 cu m. The work efficiency depends largely on their ability to move over swampy grounds. Presently this ability is being judged by the specific pressure exerted on the ground. According to data supplied by the Academy of Sciences of the BSSR, AN BSSR the recommended pressure on swampy terrain may vary from 0.2 to 0.3 kg/sq cm. Generally, the specific pressure of single-scoop excavators ranges between 0.55 and 1.0 kg/sq. cm. It has been established that tractors with the same specific pressure are superior to excavators. This comparison discloses the fact that pressures acting upon the ground from excavators differ considerably from the specific pressure, and the latter can not serve as a criterion for the carrying capacity of different types of ground. The chair "Organization and Mechanization of Hydro-

Card 1/2

99-9-6/9

Questions Pertaining to the Ability of Caterpillar Excavators
to Move Over Loose Grounds.

"melioration Works" (Organizatsiya i mekhanizatsiya gidro-meliorativnykh rabot) Moskva Institute of Engineers of Water Resources imeni Williams (Moskovskiy institut inzhenerov vodnogo khozyaystva imeni Vil'yamsa) has conducted experiments with pressure exerted by caterpillar tracks. The obtained results confirmed the existing divergence between factual loads and average specific pressures on the ground, the fundamental reason being the shifting of gravitational forces during operations. The author prepared several oscillograms, showing the different work situations of excavators, and made respective deductions pertaining to excavators operating on loose ground. The article contains 5 figures and 2 diagrams.

ASSOCIATION: Moskva Institute of Engineers of Water Resources imeni Williams (Moskovskiy institut inzhenerov vodnogo khozyaystva imeni Vil'yamsa)

AVAILABLE: Library of Congress

Card 2/2

PETROV, Nikolay Mitrofanovich; GANTMAN, Vladimir Bentsianovich; BYKOVA,
Yuliya Nikolayevna; VORONETS, V.S., otv.red.; SMIRNOV, L.V.,
red.izd-va; SHKLYAR, S.Ya., tekhn.red.

[Operator of tower cranes] Meshinist bashennykh kranov.
Moskva, Ugletekhnizdat, 1959. 183 p. (MIRA 13:1)
(Cranes, derricks, etc.)

GANTMAN, Vladimir Bentsianovich; BIRYUZOVA, Ye.I., red.; KARYAKINA, M.S.,
tekhn.red.

[Four thousand kilometers on motorboats] 4000 kilometrov na
motornykh lodkakh. Moskva, Izd-vo DOSAAF, 1960. 118 p.
(MIRA 13:6)

(Motorboats)

GANTMAN, Vladimir Bentsianovich; YEMEL'YANOV, Yu.V., red.; BIRYUZOVA,
Ye.I., red.; KOROLEV, A.V., tekhn. red.

[Long voyages by boat]Na lodke v dal'nee plavanie. Moskva,
Izd-vo DOSAAF, 1962. 228 p. (MIRA 16:2)
(Motorboats)

BAZUNOV, Boris Anatol'yevich; GANTMAN, Vladimir Bentsevovich, inzh.;
LYUBIMOV, I.M., red.; MAKAROVA, E.I., ml. red.

[Clear sailing] Tri futa pod kilen. Moskva, Mysl', 1965.
(MIRA 18:10)
215 p.

GANTMAN, V., inzh., prepodavatel'; LUKOVNIKOV, A., kand.tekhn.nauk,
prepodavatel'; NOVIKOV, M., kand.tekhn.nauk, prepodavatel'

Let's give young specialists a lasting knowleige of industrial
hygiene. Okhr. truda i sots. strakh. 5 no.6:18-19 Je '62.
(MIRA 15:7)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya imeni
K.A. Timiryazeva.
(Agriculture—Hygienic aspects)

KNORR, KLAUS; LITVIN, Z.V. [translator]; GOLANSKIY, M.M., kand.ekonom.nauk
[translator]; KAMUSHER, K.G. [translator]; KAZAKOV, V.M. [translator];
GANTMAN, V.I., kand.yurid.nauk, red.; ZHREBTSOV, L.P., red.;
KONOVALOVA, Ye.K., tekhn.red.

[The war potential of nations] Voennyi potentsial gosudarstv. Moskva,
Voen.izd-vo M-va obor.SSSR, 1960. 392 p. (MIRA 13:10)
(Armaments) (War--Economic aspects)

FILIPPOVICH, Z.S.; PETRIK, K.G. rukovoditel' rabot; AVEPIVANOV, K.G., Prinimali uchastiye: KACHANOVSKAYA, Z.I.; GANTMAN, Ya.I.; KHUSID, B.S.; GORBACHEVSKAYA, M.S.

Increasing the coefficient of utilization of fresh fruit and berries
in the winemaking, juice and liqueur-and-vodka industries. Trudy
BNIIIPPT no.4:129-144 '61. (MIRA 17:10)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614230004-1"

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614230004-1

GANTMAN, Ya.H.

U.S.S.R. fuel balance for 1959-1965 and changes in its structure.
(MIRA 12:4)
Ugol' 34 no.2:8-11 F '59.
(Fuel) (Coal mines and mining)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614230004-1"

Gautner, G.; Mollo, J.; Szejtli, J.

Investigation of the retrogradation of amylose. In English. p.95

PERIODICA POLYTECHNICA. CHEMICAL ENGINEERING. (Budapesti Műszaki Egyetem)
Budapest, Hungary. Vol.3, no.2, 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11
November 1959
Uncl.

HOLLO,J., prof., dr. (Budapest); SZEJTLI,J. (Budapest); GANTNER,G.S.
(Budapest)

The mechanism of the retrogradation of amylose. Periodica
polytechnica chem 3 no.3:163-166 '59. (EEAI 9:6)

1. Institute of Agricultural Chemical Technology Polytechnical
University, Budapest.
(Amyloses)

HOLLO, J., prof. (Budapest); SZEJTLI, J. (Budapest); GANTNER, G.S. (Budapest);
LASZLO, E. (Budapest)

Cohesion of starch granules. Periodica polytechn chem 4 no.4:263-285
'60. (EEAI 10:5)

1. Institut fur Landwirtschaftlich-Chemische Technologie der
Technischen Universitat, Budapest.
(Cohesion) (Starch) (Enzymes) (Light) (Granules)

HOLLO, Janos, dr.; SZEJTLI, Jozsef, dr.; LASZLO, Elemer; GANTNER, Gyulane;
KOMLOS, Sandor

Starching in laundry. Pt. 2. Magy textil 15 no.2:64-68 F '63.

1. Budapesti Muszaki Egyetem (for Hollo, Szejtli, Laszlo,
Gantner). 2. Fovarosi Patyolat Vallalat (for Komlos).

GANTNER, Gy.

H U N G .

103. Procedures for determining the water absorption and water binding ability of meat — L. Kirmendy and Gy. Gantner. (*Műszaki Ipar* — Vol. 8, 1954, No. 6, pp. 172—179, 11 figs., 5 tabs.)

The quality of certain sausages is greatly influenced by the minced meat used in their preparation. On the other hand the quality of the minced meat, in respect to its use for the above purpose, is determined by the amount of water it can absorb and to what extent it can retain the absorbed water during the manufacturing process and up to consumption. The predetermined amount of water which can be added to a given grade of meat is of practical importance. For this reason the water absorbing and binding properties of meat have been examined by the Grau-Hamm

b1 b2

L. Kothiyal & G. Gardner

method as well as by a direct method (swelling and centrifugal separation) elaborated by the authors. The swelling ability of the thigh muscles (m. semitendinosus) of various cattle, the volume of retained water, and pH at various periods of storage have been established. Sausages were prepared from the meats and their quality examined in respect to the correlation of the above variables. A not very close correlation could be found between swelling ability, retained water and the pH. The correlation between the quality of the sausages and the retained water could be reliably evaluated but no regular correlations could be found between the quality of the sausage, swelling ability and pH.

2/2

GANTNER, J., ins.

"Days of New Techniques"; lectures on working of plastic materials.
Tech praca 14 no.2:135-136 F '62.

1. Vyzkumny ustav gumarenske a plastické techniky, Zilina.

GANTNER, Ivan, inz.; PETRU, Kamil, inz.

Connection of silamide driving belts by gluing and welding.
Stroj vyr 12 no.4:270-271 Ap'64.

1. Technicka informacno-poradenska sluzba pre plastické hmoty, Zilina (for Gantner).
2. Chemicke zavody W. Piecka National Enterprise, Branch Zilina.

USSR/Soil Science. Physical and Chemical Properties of Soils.

J-1

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24690.

Author : Mizerov, A.V.; Gantner, V.V.

Inst :
Title : On the Chemical Composition of Soils of the Southern
Littoral According to Spectral-Analysis Data.

Orig Pub: Vopr. sel'sk, i lesn. kh-va Dal'n. Vostoka, vyp. 1,
1956, 29-33.

Abstract: Sod-podzol soils do not contain As and Zr, but do
contain a greater quantity of V, Cu, Cr, Ni and a
somewhat lesser quantity of Ti in comparison with
mountain-forest brown soils. Sod-podzol and sod-
Gley soils, which comprise the main type of tillable
land suitable for tillage in the region described,
are noted for an insufficiency of Cu, Zn, Co, and

Card : 1/2

USSR/Soil Science. Physical and Chemical Properties of Soils
APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614230004-1
Abs Jour: Ref Zhur-Biol., No 6, 1958, 24690.

J-1

Mo. The work was performed in the soil laboratory
of the Far Eastern Affiliate of the AS USSR.

Card : 2/2

20 -118-6-20/43

The Production of Aluminum-Halide-Methyl-Derivatives by Means of the Diazo-Aliphatic Method

reactions of the halides of boron and thallium. Yet they could not be determined even at a ratio diazomethane:aluminum-halide - 1 : 3. On the other hand, only tri-(halide-methyl)-aluminum was formed in all cases. An alkylation of all halide-atoms with such reactions is known with arsenic, antimony and tin. In that case, however, a mixture of all possible derivatives (mono-, di-, tri-, and tetra-), according to the quantitative composition of the diazo-compound and of the halide, took place. Aluminum fluoride entered no reaction with diazomethane - even at room temperature - whereas aluminum-chloride and -bromide reacted energetically even at -50°C. The addition of "copper-bronze" lead to the decomposition of diazomethane. "Polymethylene" was formed as sole product, since aluminum fluoride emerged unchanged from the reaction. Since the action of diazomethane on halides of the afore-said elements depends on an interpolation of the "alkylene"-biradical between the atoms of the halide and of the element, the reaction-velocity depends also on the energy of the bond element - X. The reaction takes place more readily when X is chloride or boron and more difficultly when X is fluorine. Tri-

Card 2/4

20-118-6-20/43

The Production of Aluminum-Halide-Methyl-Derivatives by Means of the Diazo-Aliphatic Method

-(methyl chloride)-and tri-(methyl bromide)-aluminum are crystalline substances. They smoke intensely in the air and are very hygroscopic, readily oxidizable and unstable, especially the boron-derivative. They are soluble without heating in ether and less soluble in benzene. These compounds react vigorously with water without previous heating. Aluminum hydroxide, methyl-alcohol and hydrogen chloride or hydrogen bromide respectively are formed during this process. The description of the conditions of reaction and of the method of reaction follows, which corresponds to an experimental chapter. The quantities of the initial substances and the yields of the pure products are shown in table 1. The physical constants and analytical results of the latter are given in table 2. There are 2 tables, and 10 references, 6 of which are Soviet..

Card 3/4

20-118-6-20/43

The Production of Aluminum-Halide-Methyl-Derivatives by Means of the Diazo-Aliphatic Method

ASSOCIATION: Institute for Chemistry, A~~S~~ Roumanian People's Republic, Branch of Kluzh (Cluj)
(Institut khimii Akademii nauk Rumynskoy Narodnoy Respubliki, Filial Kluzh)

PRESENTED: November 22, 1957, by A. N. Nesmeyanov, Member of the Academy

SUBMITTED: November 20, 1957

Card 4/4

KHADNAD', Ch.; KHOVAT, Ye.; SENTKIRALI, I.; IMRE, B.; YERDELI, A.;
GANTS, A.

Treatment of acetonemic vomiting in children with vitamin B₁₂.
Pediatria no.10:21-22 '61. (MIRA 14:8)

1. Iz II kliniki vnutrennikh bolezney i kliniki det'sikh bolezney
Tyrgu-Mureshskogo mediko-farmatsevticheskogo instita, Rumyniya.
(ACETONEMIA) (VOMITING) (CYANOCOBALAMINE)

GANTS, N.I.; ZAV'YALOV, I.A.; KRIVOROT'KO, V.M.; SIDOROV, V.I.;
OSTRYAKOV, K.I., inzh., ratsenzent; SHCHERBAKOV, V.P., inzh.,
red.; KHITROVA, N.A., tekhn. red.

[Preparing passenger cars for high-speed traffic; experience
of the Oktiabr' Railroad] Podgotovka passazhirskikh vagonov
dlia skorostnogo dvizheniya; opyt Oktiabr'skoi dorogi. Moskva,
Transzheldorizdat, 1963. 47 p. (MIRA 16:10)
(Railroads—Passenger cars)

GAMBL, V. I.

Dissertation: "The Role and Behavior of Surface Carbon Monoxides During the Process of Decomposition of Hydrogen Peroxide in the Presence of Activated Carbon." Cand Chem Sci, Leningrad Technological Inst, Leningrad, 1954. Referativnyy Zhurnal--Khimiya, Moscow, No 8, Apr 54.

SO: SUM 284, 26 Nov 1954

GANTS, V.I.

Decomposition of hydrogen peroxide in the presence of
activated carbon. Report No.2: Certain kinetic regularities
of the process. Trudy LTI no.61:126-131 '60. (MIRA 15:5)
(Hydrogen peroxide) (Carbon, Activated)

GRIGOR'YEVA, N.Ye.; GANTSE, I.K.

Monoanilines of glutatonic dialdehyde. Part 2: Effect of media
on color of primary aromatic amine derivatives. Zhur.ob.khim.
28 no.6:1682-1689 Je '58. (MIRA 11:8)

I.Khar'kovskiy gosudarstvennyy universitet.
(Amines) (Glutaconanilide)

LUNEVA, A., domokhozyayka; PLOTNIKOVA, A., lifter; YEGOROVA, N.;
GANTSEV, M., slesar'-montazhnik; GORBUNOV, A.

In order to keep in a good mood. Zhil.-kom.khoz. 12 no.6:30-31
Je '62. (MIRA 15:12)

1. Zavedushchaya priyemnym punktom "Akademgorodka" (for Yegorova)
2. Vostoktekhmontazh (for Gantsev).
3. Direktor bani i prachechnoy No.3 g. Novosibirsk (for Gorbunov).
(Novosibirsk—Baths, Public)
(Novosibirsk—Laundries, Public)

GANTSEV, V.A.

Contribution to the theory of a two-stage transistor amplifier
with parallel feedback. Izv. vys. ucheb. zav., radiotekh. 7
no.2:229-236 Mr-Ap '64. (MIRA 17:8)

ACCESSION NR: AP4014674

S/0108/64/019/001/0046/0053

AUTHOR: Gantsev, V. A. (Active member)

TITLE: Composite-transistorized amplifier stage

SOURCE: Radiotekhnika, v. 19, no. 1, 1964, 46-53

TOPIC TAGS: transistor, composite transistor, composite transistor amplifier, composite transistor parameters, composite transistor base impedance, composite transistor emitter impedance, composite transistor collector impedance

ABSTRACT: The equivalent parameters in a T-network (see Enclosure 1) of a composite transistor are calculated, and the transient response and frequency characteristic of a composite-transistorized amplifier stage are given in the article. Simplified formulas for these equivalent parameters of a common-emitter composite transistor are developed: base impedance, emitter impedance.

Card 1/3 Z

ACCESSION NR: AP4014674

collector impedance, and base current amplification; all of these parameters are found to be frequency-dependent. The collector-current transient function is analyzed under critical, aperiodic, and oscillatory conditions. The irregularity and maximum value of the amplitude-frequency characteristic are determined. "The author is deeply grateful to T. M. Agakhanyan and I. P. Stepanenko for their valuable advice and hints made during the course of the work." Orig. art. has: 7 figures and 30 formulas.

ASSOCIATION: Nauchno-tehnicheskoye obshchestvo radiotekhniki i elektrosvyazi (Scientific and Technical Society of Radio Engineering and Electrocommunication)

SUBMITTED: 08Jun62

DATE ACQ: 07Feb64

ENCL: 01

SUB CODE: GE

NO REF SOV: 002

OTHER: 003

Card. 2/3 2

GANTSEVA, B.V.

Chemical Abst.
Vol. 48
Apr. 10, 1954
Organic Chemistry

and enter
guides. A
Lecturer
Akin, 23.
react with life.

nickel rule and CH_3COCH_3 . It yields methyl- $\text{C}(\text{H}_3\text{CO})_2\text{C}_6\text{H}_4\text{C}_6\text{H}_3\text{O}_2$, 37.6-41.5%, which with con-

73-6°, da D-101, n_D²⁰ 1.361. Adding 8.0 g. I to 2 moles ROH (cetyl, D-101, 100°, and 1.413°) gave 60% product (Ib) below 20°, at 1.38-1.39, m.p. 8.0-8.9°, b.p. 8.793, 42%. $\text{Me}_2\text{C}(\text{OMe})\text{CH}_2$ (II), b. 1.42-3°, d.p. 8.756, 1.412°, b.p. 1.412°. These were also prep'd. as follows: $\text{Me}_2\text{C}(\text{OMe})\text{CH}_2$ (II) from 20 g. Na and 230 ml. ROH refluxed 2-3 hr., the mixt. dil. with H₂O, dried, dissolved in H₂O, and the residue acidified with H₂SO₄, distilled, redist., b.p. 8.87-8.91, n_D²⁰ 1.4148 and 7.19, OEt endog. b.p. 95°, d.p. 1.0376, n_D²⁰ 1.4151. These were esterified in presence of NaOH, yielding 83% $\text{MeC}(\text{OMe})_2\text{CO}_2\text{Et}$, b.p. 130-1°, da D-101, n_D²⁰ 1.361. $\text{MeC}(\text{OMe})_2\text{CO}_2\text{Et}$, b.p. 130-1°, da D-101, n_D²⁰ 1.361, was obtained by refluxing $\text{MeC}(\text{OMe})_2\text{CO}_2\text{Et}$ with NaOH. $\text{MeC}(\text{OMe})_2\text{CO}_2\text{Et}$ was also obtained by hydrolysis with aq. NH₄Cl given, n_D²⁰ 1.381, b.p. 8.81-2.5°, d.p. 8.6734, n_D²⁰ 1.4130, and 7.89°. II and III treated in the cold with As₂O₃ and a trace of H₂SO₄, yielding II mainly, b.p. 1.385-1.39°, d.p. 0.910, n_D²⁰ 1.4113, and III acids, b.p. 1.38-10°, d.p. 0.9143, n_D²⁰ 1.4106, in 60% yields. Considerable amounts of $\text{CH}_2=\text{CH}-\text{CO}_2\text{Et}$ also formed during acetylation as a result of dehydrogenation by CrO_3 . O_2 (1.6 g.) in 75 ml. CH_2Cl_2 and 0.6 ml. H_2O allowed to stand several hrs.; and then neutralized gave 21% $\text{MeC}(\text{OMe})_2\text{CH}_2\text{CO}_2\text{Et}$, b.p. 143-4°, n_D²⁰ 0.9177, n_D²⁰ 1.4103, a 41% yield was obtained in the presence of 0.8 ml. HF, Et_2O . Similarly was obtained 42% $\text{Me}_2\text{C}(\text{OMe})\text{CH}_2\text{CO}_2\text{Et}$, b.p. 151-5°, n_D²⁰ 1.4103, d.p. 0.8080. These with Na₂O₂ in CH_2Cl_2 gave $\text{MeC}(\text{OR})_2\text{As}_2$. The Na either with As_2O_3 gave $\text{Me}_2\text{C}(\text{OMe})\text{CH}_2\text{As}_2\text{O}_2\text{Et}$, b.p. 188-70°, 4% yield.

AUTHORS: Akopyan, G.S., Pogosyan, Z.Kh, and Gantseva, T.L. Engineers.
TITLE: 6-kV and 10-kV Transformers with Aluminium Windings.
PERIODICAL: Vestnik elektropromyshlennosti, 1959, Nr 8, pp 10-13
(USSR)

ABSTRACT: It will be advantageous to use aluminium instead of copper for transformers of output up to 1800 kVA. The physical characteristics of aluminium and copper are compared in Table (1). The dimensions, weights and turns ratios of aluminium and copper windings are compared for the case when the aluminium winding is 1.46 times the height of a copper winding. If, in order to avoid excessive production costs, the cross-section of transformers with aluminium windings is maintained the same as for copper, the height of the windings will be about doubled and the copper and aluminium-wound transformers then differ only in height. Table (2) gives a comparison between designs of transformers ranging from 20 to 100 kVA with aluminium and with copper windings. The overall weight of the aluminium-wound transformers is the greater by 4 to 5%. Aluminium windings may well be used on low-voltage transformers where the insulation cost is not excessive. The relatively low mechanical strength

Card 1/3.

SOV/110-59-8-3/24.

6-kV and 10 kV Transformers with Aluminium Windings.

of aluminium windings makes it difficult to use them for large transformers, although 70-MVA transformers with aluminium windings have been manufactured by the English Electric Company. Under short-circuit conditions transformers with aluminium windings take twice as long to heat up to 250°C as do those with copper windings. There is little difference in manufacturing procedure when aluminium is used, except in making joints and terminations. Existing jointing methods are adequate but it would be advisable to use copper terminations for the windings, and for this special equipment is required. Gas welding was used in the manufacture of experimental transformers with aluminium windings; this method of jointing is reliable but laborious. Cold welding was used to join copper terminations to the aluminium conductors, but because of the dissimilar coefficients of expansion of copper and aluminium the joints do not withstand high temperatures and are hence not well adapted to oil-cooled transformers.

Experimental transformers with aluminium

Card 2/3

SOV/110-59-8-3/24.

6-kV and 10-kV Transformers with Aluminium Windings.

windings were made for an output of 100 kVA at 6 kV. An existing standard transformer made with hot-rolled steel, a transformer with cold-rolled steel and aluminium windings, and a transformer with cold-rolled steel and copper winding, are compared in Fig (1). It is particularly important to use cold-rolled steel in conjunction with aluminium windings. The core and coils of copper and aluminium-wound transformers are illustrated in Fig (2). The transformer with aluminium windings is much higher, although the weight of the cores is the same. Overall weights, and weights of oil, for transformers ranging from 20 to 100 kVA with copper and aluminium windings are given in Table (3).

There are 2 figures, 3 tables and 3 Soviet references.

SUBMITTED: April 13, 1959.

Card 3/3.

GANTSEVA, Z.A.

Method of studying the myotatic reflex in man. Biul. ekspr.
biol. i med. 52 no.9:124-126 S '61. (MIRA 15:6)

1. Predstavlenia deystvitel'nym chlenom AMN SSSR A.V.
Lebedinskim.
(REFLEXES) (ELECTROMYOGRAPHY)

YEFIMOV, V.A.; MATUSYAK, B.I.; GANTSEVICH, A.I.

Semicontinuous process for the hydrolysis of wood. Gidroliz. i
lesokhim. prom. 10 no.7:20-21 '57. (MIRA 10:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut godroliznoy i
sul'fitnospirtovoy promyshlennosti.
(Hydrolysis)

YEFIMOV, V.A.; MOLCHANOV, M.N.; GANTSEVICH, A.I.; ISAYEVA, M.M.; BELYAYEVSKIY, I.A.; SAPIRO, M.M.; BORISEVICH, S.F.; BARANOVSKAYA, L.V.

Semicontinuous method of wood hydrolysis. Gidroliz. i lesokhim.
prom. 15 no.1:19-21 '62. (MIRA 18:3)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy i sul'fitno-spirtovoy promyshlennosti (for Yefimov, Molchanova, Gantsevich, Isayeva). 2. Leningradskiy gidroliznyy zavod (for Belyayevskiy, Sapiro, Borisevich, Baranovskaya).

GANTSEVICH, A.S., inzh.

Semiautomatic stop for a clamp. Mekh. stroi .19 no.10:24
0 '62. (MIRA 15:12)
(Hoisting machinery)

GANTSEVICH, I.B.; REMOV, V.F.

Analyzer of the water content of petroleum. Khim. i tekhn. topl.
i masel 4 no.3:17-20 Mr '59. (MIRA 12:4)

1. Spetsial'noye konstruktorskoye byuro po avtomatizatsii
neftepererabotki i neftekhimicheskikh proizvodstv.
(Petroleum--Analysis) (Water--Analysis)

GANTSEVICH, S.V.; GUREVICH, V.L.

Theory of giant oscillations in ultrasound absorption. Zhur.
eksp. i teor. fiz. 45 no.3:587-594 S '63. (MIRA 16:10)

1. Institut poluprovodnikov AN SSSR.
(Absorption of sound) (Oscillations)

1-6628-65 EWT(1) ASD(a)-5/AFETR/AECG(*)/AS((p)-)/RSD/KSD(g*)/ESD(t)

ACCESSION NR: AP4044974

S/0101/64/C06/009/2871/2873

AUTHORS: Gantsevich, S. V.; Gurevich, V. I.

50
49

TITLE: Acousto-electric effect and magnetophonon resonance

SOURCE: Fizika tverdogo tela, v. 6, no. 9, 1964, 2871-2873

TOPIC TAGS: electron spectrum, phonon spectrum, transition probability, acoustoelectric effect, magnetophonon resonance, phonon resonance, sound absorption coefficient, phonon scattering, impurity scattering

ABSTRACT: The purpose of the investigation was a study of certain types of phonon resonances in n-Si and n- Si_1Ge_x , in which the probability of transition between the energy minima has a maximum as a function of the magnetic field when the resonance condition is satisfied. This probability can be determined experimentally by measuring the sound absorption coefficient or the a.c. conductive current which

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1/3

14828-65

ACCESSION NO: AP4044974

small oscillations as functions of the magnetic field. The calculations are based on formulas derived by V. Gurevich and A. L. Efros (ZhETF v. 44, 2131, 1963). The results indicate that the transition probability is an oscillating function of the magnetic field, the type of oscillation depending on the orientation of the magnetic field relative to the crystallographic axes. In the case of n-Ge, the oscillations are periodic in the reciprocal field and not strongly pronounced when the magnetic field is directed along the four-fold axis. If elastic scattering by impurities predominates, the probability has a monotonic dependence on the magnetic field, but oscillates as a function of its direction. It is also shown that a study of this effect yields information on the electron and phonon spectrum and makes it possible to separate in the transition probability the contributions from the phonon and the impurity scattering. Orig. art. has: 7 formulas.

ASSOCIATION: Institut poluprovodnikov AN SSSR, Leningrad (Institute
Card:

2/3

602A05	ACCESSION NR: AP4044974	ENCL: 00
	of Semiconductors AN SSSR)	DTER: 002
SUBMITTED: 25Apr64	NR REF SOV: 004	
SUB CODE: NP, GP		
Card	3/3	

L 6452-66 EWT(1)/EWT(m)/EPF(n)-2/T/EWP(t)/EWP(b)/EBD(b)-3/SWA(h)/ETC(m)
ACCESSION NR: AP5019857 IJP(c)/ JD/WN/AT UR/0181/65/007/008/2400/2412

AUTHOR: Gantsevich, S. V.; Gurevich, V. L. 21/4/65
TITLE: Theory of the acoustoelectric effect in type n-Ge and n-Si semiconductors 21/4/65

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2400-2412

TOPIC TAGS: silicon semiconductor, germanium semiconductor, acoustic effect, 21/4/65
acoustoelectric effect, kinetic equation, impurity scattering, phonon, relaxation process

ABSTRACT: The authors construct a microscopic theory of the acoustoelectric effect first observed in many-valley semiconductors by Weinreich et al. (Phys. Rev. v. 114, p. 33, 1959). They show that the earlier phenomenological theories of this effect are applicable only in a narrow region, outside of which the expressions obtained for the acoustoelectric emf differ from experimental results attainable by contemporary experimental techniques. By solving the kinetic equation, they obtain expressions for the electroacoustic current, valid also when the relaxation times for the transition between valleys is of the same order as the time of establishment of equilibrium within a given valley. Two cases of intervalley relaxation are considered: elastic transitions, due to scattering by impurities, and inelastic transition with absorption or emission of a phonon with wave vector equal to the

Card 1/2

L6452-66

ACCESSION NR: AP5019857

distance between the valley centers. Expressions for the current in the case when the two relaxation times differ greatly are also obtained. In many cases the expressions differ appreciably from those obtained by Weinreich et al. and those obtained in the phenomenological theory of V. L. Gurevich and A. L. Efros (ZhETF v. 44, 2131, 1963). The calculation does not take into account electron-electron interaction, and is therefore valid only if scattering of the electrons by phonons predominates, or in the case of impurity scattering, when the density of the scattering centers exceeds the density of the conduction electrons. Orig. art. has: 55 formulas.

ASSOCIATION: Institut poluprovodnikov AN SSSR, Leningrad (Institute of Semiconductors AN SSSR)

SUBMITTED: 06Mar65

ENCL: 00

SUB CODE: SS

NR FEF SOV: 007

OTHER: 003

nw
Card 2/2

1. KUSHNER, Kh. F.; GANTSHEL', M. A.; LEONOV, D. G.
2. USSR 600
4. Poultry Breeds
7. Intervarietal crossing of chickens on the "Kommunarka" State Farm, Sots. zhiv, 14, No. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.

AUTHORS: Gantskaya, O. A., Merpert, N. Ya., Candidates of Historical Sciences

307/30-58-57/45

TITLE: Research Work Carried out by Soviet Archeologists and Ethnographers (Issledovaniya sovetskikh arkheologov i etnografov)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr 6, pp. 125-128
(USSR)

ABSTRACT: From April 7 to 12 a conference of the Department of Historical Sciences (otdeleniye istoricheskikh nauk), the Institute of the History of Material Culture (Institut istorii materialnoy kultury), as well as the Institute of Ethnography imeni N. N. Miklukho-Maklay of the AS USSR (Institut etnografii imeni N. N. Miklukho-Maklaya AN SSSR) was held in Moscow. It dealt with the results obtained by archeological and ethnographical research work in 1957. More than 700 persons took part, all of whom represented scientific research institutes, colleges and museums of more than 150 towns of the USSR. The conference was opened by Ye. M. Zhukov. Lectures were held by:

Card 1/4 1) S. V. Kiselev on research work carried out with respect to

Research Work Carried out by Soviet Archeologists and Ethnographers

SOV/30-58-6-37/45

- Zabaykal'ye towns.
- 2) S. A. Semenov on the investigations of primitive forms of engineering.
 - 3) B. A. Rybakov on the problem of the relations between archeologic sources and chronicles.
 - 4) S. P. Tolstov on the results obtained by the Khorezmsk expedition
 - 5) N. N. Voronin on the results of many years of work performed by archeologists on the history of old Russian architecture.
 - 6) I. I. Potekhin on his work in the former British colony of the Gold Coast.
 - 7) S. V. Ivanov on the investigation of the Sibir' peoples.
 - 8) M. K. Karger on a prehistoric settlement at Volyn'.
 - 9) B. B. Piotrovskiy on the investigation of the first state established on USSR territory.
 - 10) Ye. I. Krupnov on the expedition to Severo-Kavkaz in 1957.
 - 11) G. B. Fedorov on the old Slavs in Moldaviya.
 - 12) D. B. Shelov on new data in the history of Tanais.

152 reports on archeological problems were discussed by 8 sections. The conference of the Scientific Council of the

Card 2/4

30730-58-6-37/45

Research Work Carried out by Soviet Archeologists and Ethnographers

Institute of Ethnography imeni N. N. Miklukho-Maklay was held from April 9 - 12. The following reports were, among others, delivered:

- 1) N. A. Butinov on the 75th anniversary of N. N. Miklukho-Maklay's death.
- 2) L. P. Potapov and A. D. Grach on the archeological and ethnographical Tuvin expedition.
- 3) N. A. Kislyakov on the work carried out by the expedition to Central Asia.
- 4) B. O. Voigikh on the small nations in the northern part of the RSFSR.
- 5) M. M. Gerasimov on the excavations carried out at Mal'ta and Ust'-Belaya (Irkutsk area).
- 6) M. G. Levin on research work in the Chukotsk area.
- 7) G. F. Debets on the research of the anthropological type of the eskimo population of Ipiutak and Tigara.
- 8) G. S. Chitay on some results obtained by the expedition organized by the Department of Ethnography of the Institute of History of the AE, Gruzinskaya SSR.

Card 3/4

SOV/30-58-6-37/45
Research Work Carried out by Soviet Archeologists and Ethnographers

- 9) S. A. Tarakanova and L. N. Terent'yeva on the Pribaltiy-skaya (Baltic) expedition in 1957.
10) K. Vilkun (Finnish scientist from Helsinki) on ethnological problems.

75 reports on ethnography were read during meetings of the sections. It was regarded necessary to extend the archeological, ethnographical and linguistic research.

ASSOCIATION: Otdeleniye istoricheskikh nauk, Institut istorii material'noy kultury i Institut etnografii imeni N. N. Miklukho-Maklaya (Department of Historical Sciences, Institute of the History of Material Culture, and Institute of Ethnography imeni N. N. Miklukho-Maklay)

1. Archeology--USSR 2. Anthropology--USSR 3. Scientific personnel--Performance

Card 4/4

GANTSKAYA, O. A.

"Metodika kartograficheskogo opredeleniya tipov i kompleksov krest'yanskogo-zhilishcha (po materialam istoriko-etnograficheskogo atlasa 'Pusskiye')."
report submitted for 7th Intl Cong, Anthropological & Etnological Sciences;
Moscow, 3-10 Aug 64.

GANTSKE, A.K.; SHVETS, B.S.; SOKOLOVA, G.S.; red.; SAYTANIDI, L.D.,
tekhn. red.

[Official republic-wide norms and estimates for building, as-
sembling, and repairing work. Collection VR-4; repair of trans-
former substations in the electric system of the Rural Power
Organization] Vedomstvennye respublikanskie normy i rastsenki
na stroitel'nye, montazhnye i remontno-stroitel'nye raboty.
Sbornik VR-4: remont transformatornykh podstantsii v elektro-
setiakh Sel'energo. Moskva, Izd-vo M-va sel'.khoz. RSFSR,
1961. 26 p.
(MIRA 15:3)

1. Russia (1917- R.S.F.S.R.) Ministerstvo sel'skogo khozyaystva.
(Electric substations—Maintenance and repair)

L 04212-67 EWT(d)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) JD/HM

ACC NR: AR6015874 (A) SOURCE CODE: UR/0275/65/000/012/V002/V002

56

B

AUTHOR: Razuvayev, Yu. P.; Gantsovskaya, A. S.; Latyshev, V. V.

TITLE: A circuit for current-stabilizer control of an electron beam welding assembly

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 12V8

REF SOURCE: Tr. Gor'kovsk. politekhn. in-ta, v. 20, no. 6, 1965, 80-84

TOPIC TAGS: electron beam welding, electron gun, current stabilization, stabilizer

ABSTRACT: The stabilization of the current of an electron beam in welding assemblies may be achieved by an automatic change of the filament voltage of the gun cathode on the primary side of the flipflop of the filament. The executive element of the stabilizer consists of sequential magnetized regulators and a parallelly non-controlled choke. A calculation and a complete circuit of the stabilizer is presented. The control unit is made of semiconductor devices, which makes it possible to obtain signal actuation time by the stabilizer equal to 0.2 sec with an error of 2%. The increment and drop in current during switching in and out is accomplished exponentially in 1-5 sec. The power at the output of the stabilizer amounts to 200 w. [Translation of abstract] 3 illustrations and bibliography of 5 titles. Ye. K.

SUB CODE: 09
Card 1/1 pla

UDC: 621.38:62(general (obshch.))

~~GANTSOVSKIY, I.N.~~

Results of the competition for better designs of reusable boxes.
Kons. 1 ov. prom. 12 no.12:23-26 D '57. (MIRA 11:1)

1. Vsesoyuznaya nauchno-issledovatel'skaya laboratoriya tary.
(Boxes)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614230004-1

TSIGEL'NITSKIY, B.S.; GANTSOVSKIY, I.N.

Wooden boxes for repeated use. Truly MILitary no.2:5-23 '58.
(MIRA 13:12)

(Boxes)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614230004-1"

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614230004-1

GANTSOVSKIY, I.N.

Large hardboard boxes. Trudy NIL Tary no.4:29-33 '60.
(MIRA 14:12)

(Boxes)
(Hardboard)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614230004-1"

GANTIS, V.L., inzh.; GRYAZNOV, A.A., inzh.; KHOLODNYY, S.P., kand.tekhn.nauk

Manufacture, properties, and applications of oxidized aluminum
wires. Elektrotehnika 35 no.3:44-46 Mr '64. (MIRA 17:5)

BARTVAKOV, F. N.

"Protein fractions of the blood plasma of sheep when healthy, under anaphylactic shock, and in protective inhibition." Min Higher Ed-ucation RSSR. Saratov State Zootechnical-Veterinary Inst. Saratov, 1956 (Dissertations for the Degree of Candidate in Veterinary Science)

So: Knizhnaya letopis', No. 16, 1956

USSR/Diseases of Farm Animals - General Problems.

R-1

Abs Jour : Ref Zhur - Biol., No 4, 16912

Author : Gantvarger, F.M.

Inst : Saratov Zootechnical Veterinary Institute.

Title : The Treatment of Experimentally Produced Anaphylactic Shock in Sheep with Medicamentous Sleep.

Orig Pub : Tr. Saratovsk. zootekhn.-vet. in-ta, 1956, 6, 121-127.

Abstract : Anaphylactic shock was induced in sheep by an intravenous administration of an effective dose (10 ml.) of normal horse serum 23-57 days after primary sensitization by a single or twofold intracutaneous injection of the same serum in a dose of 0.5-2 ml. The clinical symptoms of shock developed 1-2 min. after the administration of the effective dose of the serum. For the treatment of shock, chloral hydrate was used rectally as an enema, in a dose

Card 1/2

- 5 -

USSR/Diseases of Farm Animals - General Problems.

R-1

Abs Jour : Ref Zhur - Biol., No 4, 1958, 16912

of 0.5 g./kg. in a 400-500 ml. solution of enveloping substances. When introduced at the height of the shock, chloral hydrate produced a narcotic sleep after 3-5 min. (a protective inhibition), for a period of 40-60 min. After the onset of the protective inhibition, the protein fractions of the blood were restored and the morphological composition of the blood improved. After 2-3 hours, no symptoms of the shock could be detected in the animals.
-- I.Ya. Panchenko.

Card 2/2

GANTVARGER, Ruvim Borisovich; KAS'KOV, S.I., otvetstvennyy redaktor;
MISHEKOVICH, G.I., redaktor; KAMOLOVA, V.M., tekhnicheskikh redaktor

[Outfitting in shipbuilding] Del'nye veshchi v sudostroenii.
Leningrad, Gos. soiuz. izd-vo sudostroit. promyshl., 1956. 190 p.
(Shipbuilding) (MLRA 9:10)

GANTVARGER, Ye.

Improve credit planning. Den.i kred. 19 no.10:67-68 0 '61.
(MIRA 14:10)

1. Nachal'nik otdela kreditovaniya mestnogo khozyaystva Irkutskoy oblastnoy kontory Gosbanka.
(Irkutsk Province—Credit)

GANTZ, R

POLISH TECHNICAL JOURNAL

Vol. 26, Nr. 3, 1957

Przedm. S. Kowalewski W. Kowalewski
"The Foam Layer in the Process of Electrolytic Anodization of Copper Alloys"

"Udzial warstwy piankowej w procesie elektroanalizy stopów miedzi". Przemysł Chemiczny, No. 3, 1957 pp. 301-313

Fig. 2 (abs.)
The quantities of copper dioxide and aluminum sulphate during electrolysis show that a foam appears on the surface of the bath. The quantities absorbed in conditions which prevent the formation of foam by the addition of diethyl ether. The part played by absorption can be of great importance described when foam was formed were the quantities absorbed in the presence of

E" CERFTE MEDICK Sec 8 Vol 12/11 Neurology Nov 59

5512. CONSEQUENCES OF OBSTRUCTION OF THE INTRACEREBRAL
ARTERIES AND OF VEINS OF THE CEREBRAL CORTEX (EXPERIMENT-
AL STUDY) (Russian text) - Ganuchkina I. V. - ZH. NEVROPAT.
PSIKHIAT. 1958, 58/9 (1025-1031) Tables 2 Illus. 3

In cats, coagulation of a superficial cerebral artery was carried out 20 times at a point just proximal to disappearance of the artery into the substance of the cerebral cortex, and a vein was coagulated 19 times at point just after its appearance on the surface of the cortex. Injections of a 4% solution of gelatin in India ink into the bloodstream of the living animal were made at various intervals. Histological examination followed. The branches of the coagulated arteries were very poorly filled with India ink, and haemorrhages appeared along the trunks of these arteries, 2 hr. after coagulation. These lesions were observed only in the grey matter of the brain, not in the white matter. During the first hour after closure of a vein constriction of the capillaries and cerebral oedema developed; after 2 hr. dilatation appeared; there were no haemorrhages.

Chrást - Brno

GAIUL, L. A.

USSR/Human and Animal Morphology (Normal and Pathological)
Peripheral Nervous System

S-3

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55104

Author : Gaiul L.

Inst : Not Given

Title : Innervation of the Female Mammary Gland During Pregnancy.

Orig Pub : Akushorstvo i ginekologiya, 1956, No 5, 14-19

Abstract : Pacinian corpuscles are frequently found in glandular lobules and in the intralobular connective tissue. They are probably mechanoreceptors. Polysегментed Pacinian corpuscles appear in pregnancy. The muscles of the vessels terminate in efferent endings. Vessels and glandular parenchyme of the lobule display sensory apparatus. Neurocytes were detected in the deep layers of the intralobular connective tissue in 3 cases of pregnancy.

Cord

: 1/1

Chair Pathological Anatomy
Kiev Med Inst.

A.
GANUL, L.O. [Hanul, L.O.]

Innervation and reinnervation of the breast. Ped., akush. i gin. 20
no.3:63-64 '58. (MIRA 13:1)

1. Kafedra normal'noy anatomi (zav. - prof. A.A. Otelin Kurskogo
meditsinskogo instituta i kafedra akusherstva i ginekologii (zav. -
prof. V.M. Khmelevskiy) Kiyevskogo instituta usovershenstvovaniya
vrachey (direktor - dots. V.D. Bratus').

(BREAST--INNERVATION)

GANUL, V. L.

Diagnosis of pulmonary cancer. Vrach. delo no.6:14-18 Je '62.
(MIRA 15:7)

1. Klinika torakal'noy khirurgii (zav. - prof. N. M. Amosov)
i klinika onkologii (zav. - dotsent I. P. Dedkov) Kiyevskogo
instituta usovershenstvovaniya vrachey.

(LUNGS—CANCER)

GANUL, Yu.L.

Effect of deep freezing on the structure of splenic cells. Gemat,
i perel. krovi 1:132-137 '65.

State of fresh and preserved spleen following subcutaneous trans-
plantation in irradiated animals. Ibid. 3:138-142

(MIRA 18:10)

1. Kiyevskiy institut perelivaniya krovi.

GANULICH A. K. (VVIA) METEVOSYAN P.A. (IMASH)

Experimental work on mechanical electronic systems

paper read at the Session of the Acad. Sci. USSR, on Scientific Problems of
Automatic Production, 15-20 October 1956
Avtomatika i telemekhanika, No. 2 p. 182-192, 1957

9015229

PHASE I BOOK EXPLOITATION SOV/5850

Ganulich, Anatoliy Konstantinovich

Elektronnye modeliruyushchiye ustroystva (Electronic Analog Computers)
Moscow, Gosenergoizdat, 1961. 75 p. (Series: Biblioteka po avtomatike,
vyp. 33) 25,000 copies printed.

Editorial Board: I. V. Antik, A. I. Bertinov, S. N. Veshenevskiy,
V. S. Kulebakin, V. E. Nize, V. S. Malov, A. D. Smirnov, and
B. S. Sotskov; Ed.: V. I. Matov; Tech. Ed.: N. I. Borunov.

PURPOSE: This book is intended for engineers, technicians, and students concerned with the design and operation of electronic analog computers (simulators).

COVERAGE: The fundamentals of the design and operation of small-size electronic analog computers (simulators) are presented. A practical example of applying simulators in a servosystem is given, and the following topics are
Card 174

Electronic Analog Computers

SOV/5850

discussed: the practice of basic mathematical operations (addition, differentiation, and integration), using simulators; d-c amplifier circuits, with special emphasis on the principles of stabilization and compensation of zero drift; functional generator circuits; and multipliers. No personalities are mentioned. There are 6 references, all Soviet.

TABLE OF CONTENTS:

Introduction	3
Ch. I. Operational Principles of Electronic Simulators	5
Ch. II. Linear Arithmetic Units	
1. Adding circuits	14
2. Feedback amplifier	14
3. Voltage differentiation and integration	19
Card 2/4	25

GANULICH, T.V.

Syphilitic mesaortitis in Kharkov in 15 years (1947-1961).
Vest. derm. i ven. 38 no.10:61-63 O '64.

(MIRA 18:7)
1. Patomorfologicheskoye otdeleniye TSentral'nyy nauchno-
issledovatel'skoy laboratorii (zav. - prof. G.L. Derman)
Khar'kovskogo meditsinskogo instituta.

L 00559-66

ACCESSION NR: AP5020379

UR/0354/65/000/008/0052/0054

634.0.451

AUTHORS: Ganus, I. I. (Senior engineer of tree pathology); Malyy, L. P. (Engineer of preservation and protection of forests)

TITLE: Acantholyda stellata Christ in Belorussia

SOURCE: Lesnoye khozyaystvo, no. 8, 1965, 52-54

TOPIC TAGS: pesticide, insect control, insecticide, forestry

ABSTRACT: The life cycle of Acantholyda stellata Christ and methods of combating it in pine forest farms of Braslav have been studied during 1952-1953. The trees of the I-V growth class and II-IV quality index are harmed mainly by A. stellata Christ larvae which feed on the young coniferous needles. The growth period of the larvae, which lasts 20-25 days, can be divided into 5-6 stages. It is important to distinguish between them, as the larvae of the 1st to 3rd stage which have head capsules 0.8-1.4 mm in diameter are susceptible to insecticidal treatment, while those of the 4th to 6th stages with head capsules 1.6-2.6 mm are not. Application of 8% solution of technical DDT in diesel fuel at 20 liters/hectare from a Yak-12A airplane gave an almost total kill of the adult beetle on the second day after

Card 1/2

L 00559-66

ACCESSION NR: AP5020379

spraying. The chemical was active for 14 days, killing up to 75% of larvae which developed from the eggs laid before spraying. A second application of the insecticide, 19 to 21 days after the first, killed all larvae of the 1st to 3rd stages. Those of the 4th to 6th stage survived. The chemical also killed some other harmful as well as some useful insects. No loss of birds or warm-blooded animals was observed. It was concluded that the optimal conditions for combating *A. stellata* Christ (larvae, eggs, and adults) are: a single spray of 8% solution of technical DDT in Diesel fuel at 20 liter/hectare applied on the fourth or fifth day after the larvae hatch from the eggs. Orig. art. has: 1 table.

ASSOCIATION: Vitebskoye upravleniye lesnogo khozyaystva (Vitebsk Regional Administration for Forestry); Okhrana i zashchita lesa Braslavskogo leskhoza (Protection and Preservation of Braslav Forestry Farm)

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NO REF SOV: 000

OTHER: 000

Card

2/2

Gr-FINDS S.

Country : USSR
Category : Farm Animals.
 : Cattle.

Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96890 Q

Author : Filipson, Ye.; Karpenko, A.; Ganus, S.

Institut. :
Title : Feeding Cattle Twice and Three Times Daily
 when Fattening with Pulp.

Orig Pub. : Molochn. i myash. zhivotnovodstvo, 1958, No 1,
 : 32-34

Abstract : When cattle was fattened with siloed pulp, it
 was distributed twice daily and this assured
 the complete consumption of the daily fodder
 ration and satisfactory daily weight gains
 which amounted to 1215 g whereas 825 g were
 planned for, as well as saved 23 percent of
 the time necessarily needed for the feeding
 of the animals as compared to a food distribu-
 tion taking place three times daily.

Card: 1/1

GANUSENKO, K., inzh. (Dnepropetrovsk)

Chill casting in locomotive repair shops. Zhel. dor. transp.
no.1:74-75 '47.
(Founding) (Railroads--Repair shops) (MIRA 13:2)

G A N U S E N K O M . N .

ANDRIYASHEVA, N.M.; BAKKAL, T.P.; BEKKER, S.M.; BOGDANOV-BEREZOVSKIY, V.V.; BRAUN, A.D.; VASILEVSKAYA, N.L.; GANUSENKO, M.N.; GARMASHEVA, N.L.; DEMICHEV, I.P.; DRIZGALOVICH, S.YE.; KATENINA, N.A.; KORSAKOVA, G.F.; KRYZHANOVSKAYA, Ye.F.; MIROVICH, N.I.; PROROKOVA, V.K.; PUGOVISHNIKOVA, M.A.; RESHETOVA, L.A.; SVETLOV, P.G.; UTENENOVA, K.D.; KHECHIHASHVILI, G.G.; SHVANG, L.I.; GARMASHEVA, N.L., professor, redaktor; RUDAKOV, A.V., redaktor; RULEVA, M.S., tekhnicheskiy redaktor.

[Reflex actions in mother-fetus interrelations] Reflektornye reaktsii vo vsemootnosheniakh materinskogo organizma i ploda. [Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe otd-nie, 1954. 266 p. (MLRA 7:10) (Pregnancy) (Embryology)

VOLEVAKHA, M.M., KOSENKO, V.M., red., OANUSETS', O.I., red. [HANUSETS', O.I.]

[Atmospheric phenomena and indications of weather] Atmosferni
iavyshche i pryklychennya pohody. Kyiv, 1958. 31 p. (Tovarystvo dlia
poshyrennia polichnykh i naukovykh znan' Ukrains'koj RSR. Ser. 5, no. 7)
(MIRA 11:10)

(Meteorology)
(Weather)

NIKOL'NIKOV, G.L. [Nikol'nikov, H.L.], kand. istorich. nauk.; MAL'TSEVA,
L.G., red.; GANUSETS, O.I. [Hanusets, O.I.], red.

[Struggle of the Soviet Union for disarmament and the prohibition
of nuclear weapons] Borot'ba Radians'kogo Soiuzu za rozzbroiennia
i zaboronu iadernoi zbroi. Kyiv, 1958. 38 p. (Tovarystvo dlia
poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser. 1, no. 19).
(Atomic bomb and disarmament)

GANUSETS, O.I. [Hanusets', O.I.]; MAKARENKO, O.A.; KOROID, O.S., kand.
ekonom.nauk, otv.red.; RUDNITSKAYA, P.P. [Rudnyts'ka, P.P.], red.;
NAZARENKO, S.G. [Nazarenko, S.H.], red.; KADASHEVICH, O.O.,
tekhn.red.

[Birth of a new, communist society] Parostky novoho, komunistychnoho.
Kyiv, Vyd-vo Akad.nauk URSR, 1960. 245 p.

(MIRA 13:12)

1. Akademija nauk URSR, Kiyev. Viddil suspil'nykh nauk.
(Communism) (Efficiency, Industrial)

GANUSEVICH, Ye.K., inzh.; REUT, L.Z., inzh.

Ohmic resistance of enameled wires. Elektrotehnika 35 no.6:
35-37 Je '64. (MIRA 17:8)

Ganush, D.

USSR/Processes and Equipment for Chemical Industries-- K-2
Control and measuring devices. Automatic regulation.

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10663

Author : Ganush, B.

Inst : Not given

Title : Signal Transmission in Pneumatic Data Transmission Links

Orig Pub: Avtomatika i telemekhanika, 1956, Vol 17, No 8, 699-706

Abstract: A theoretical calculation of the dynamic characteristics of a pneumatic transmission link is given. The calculations have been verified by the experimental determination of the frequency characteristics of transients in air-pipes 6-25 mm in diameter and 7.5-40 mm in length, both with and without a terminal capacitance. A harmonically varying input pressure signal was produced by means of a cylindrical vessel whose bottom was formed by a membrane to which an oscillatory motion was imparted by means of an electric motor through a shaft and crank. The frequency of the oscillations varied from 0 to 15 cycles.

Card 1/1

MAYRANOVSKIY, S. G.; KOUTETSKIY, Ya. [Koutecky, J.]; GANUSH, V. [Hanus, V.]

Polarographic catalytic hydrogen waves induced by organic catalysts. Part 3: Experimental study of the effect of the preceding reaction on the space catalytic waves. Zhur. fiz. khim. 36 no.12:2621-2627 D '62. (MIRA 16:1)

1: Institut organicheskoy khimii imeni N. D. Zelinskogo AN SSSR, Moscow i Institut fizicheskoy khimii Chechoslovatskoy AN, Praga.

(Polarography) (Catalysis) (Pyridine)

DOMBROVSKIY, A.V.; GANUSHCHAK, N.I.

Synthesis of 4-N-piperidyl-1-phenyl-2-butene and its homologues.
Ukr. khim. zhur. 24 no.1:76-78 '58. (MIRA 11:4)

1.Chernovitskiy gosudarstvennyy universitet, kafedra organicheskoy
khimii.
(Butene)

DOMBROVSKIY, A.V.; GAMUSHCHAK, N.I.

Chlorination and arylation. Ukr. khim. zhur. 24 no. 2:217-221 '58.
(MIRA 11:6)

1. Chernovitskiy gosudarstvennyy universitet, kafedra organicheskoy
khimii.

(Isoprene)
(Chlorination)

GANUSHCHAK, N.I.; DOMBROVSKIY, A.V.

Some exchange reactions of chlorine in 4-chloro-2-methyl-1-phenyl-
2-butene. Ukr. khim. zhur. 26 no.6:730-732 '60. (MIRA 14:1)

1. Chernovitskiy gosudarstvenny universitet, kafedra organicheskoy
khimii.

(Butene) (Chlorine)

15.920

27395

S/153/61/004/003/007/008
E142/E435**AUTHORS:** Dombrowskiy, A.V. and Ganushak, N.I.**TITLE:** Polymerization and co-polymerization of α -phenyl isoprene 2-methyl-1-phenyl-1,3 butadiene**PERIODICAL:** Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, Vol.4, No.3, 1961,
pp.516-518

TEXT: This is a continuation of a previous article by the present authors (Ref.1: Ukr. khim. zh., 24, 217 (1958)) which described how α -phenyl isoprene is obtained by chlorophenylation of isoprene and subsequent treatment with KOH in dioxan. In this paper results are described of experiments on the polymerization of α -phenyl isoprene and its co-polymerization with styrene and acrylonitrile in the presence of SnCl_4 . Quantitative yields of a homogeneous product were obtained; block-polymerization, after precipitation with methanol from an acetone solution, gave a powdery almost colourless polymer (m.p. 65 to 70°C, yield 93%). An equal yield was obtained when the monomer was polymerized in solution when a white powder with a m.p. of 75 to 80°C was obtained. Thermal polymerization, at 180 to 200°C for 60 hours, gave a

Card 1/2

Polymerization and co-poly- ...

27395
S/153/61/004/003/007/008
E142/E435

Viscous transparent mass when the reaction was carried out in a current of nitrogen or in vacuum (10^{-2} mm). The compound was co-polymerized with styrene at 180 to 200°C for twelve hours (4 ml. of α -phenyl isoprene and 0.1 g of benzoyl peroxide); the copolymer had a light green colour. A copolymer of yellow-green coloration was obtained when α -phenyl styrene was co-polymerized with acrylonitrile in the same molar ratios of the monomers for 70 hours. The products were easily soluble in benzene, acetone, ether, dioxan, dichlorethane and insoluble in methyl and ethyl alcohol. Acetone solutions of the copolymers form homogeneous transparent films on glass, which do not dry out during two months. Drying out is accelerated if a few drops of a cobalt siccative is added to the copolymer solution when strong transparent layers are formed after four to six hours. There are 1 table and 3 references: 2 Soviet and 1 non-Soviet.

ASSOCIATION: Chernovitskiy gosudarstvennyy universitet
Kafedra organicheskoy khimii (Chernovitsy
State University, Department of Organic Chemistry)

SUBMITTED: June 13, 1959
Card 2/2

DOMBROVSKIY, A.V.; GANUSHCHAK, N.I.

Haloarylation of unsaturated compounds by aromatic diazo compounds.
Part 12: Reaction of chlorophenylation of bivinyl and isoprene.
Zhur. ob. khim. 31 no.4:1284-1288 Ap '61. (MIRA 14:4)

I. Chernovitskiy gosudarstvennyy universitet.
(Butadiene) (Isoprene)

DOMBROVSKIY, A.V.; GANUSHCHAK, N.I.

Haloarylation of unsaturated compounds with aromatic diazo compounds. Part 13: Synthesis of some 1, 4-diarylbutadienes by the direct arylation of α -arylbutadienes with aryl diazonium chlorides. Zhur.ob.khim. 31 no.6:1896-1901 Je '61. (MIRA 14:6)

1. Chernovitskiy gosudarstvennyy universitet.
(Butadiene) (Diazonium compounds)

GANUSHCHAK, N.I. [Hanushchak, M.I.]; YUKOMENKO, M.M.; DOMBROVSKIY, A.V.
[Dombrov's'kyi, A.V.]

Synthesis of ketone esters and ~~ketones~~ by the reaction of chloroaryl-
butenes with sodium acetoacetic ester. Dop. AN URSR no. 2:211-215
'62. (MIRA 15:2)

1. Chernovitskiy gosudarstvennyy universitet. Predstavлено
академиком А.И.Киприановым.
(Ketones)(Esters)

DOMBROVSKIY, A.V.; ZOLOTUKHINA, K.G.; GANUSHCHAK, N.I.

Complex compounds of cobalt and copper thiocyanates and antimony
and bismuth iodides with 4-N-piperidine-2-methyl-1-phenyl-2-
butene. Ukr.khim.zhur. 28 no.4 459-461 '62. (MIRA 15:8)

1. Chernovitskiy gosudarstvennyy universitet.
(Complex compounds) (Metals--Analysis)

PILYUGIN, G.T.; DOMBROVSKIY, A.V.; GUTSULYAK, B.M.; GANUSHCHAK, N.I.

Synthetic dyes. Part 28: Synthesis of quinocyanine dyes with
a complex unsaturated radical at a nitrogen heteroatom. Zhur. ob.
khim. 32 no.5:1411-1415 My '62. (MIRA 15:5)

1. Chernovitskiy gorudarstvenny universitet.
(cyanine dyes)

DOMBROVSKIY, A.V.; GANUSHCHAK, N.I.

Halogenation of unsaturated compounds with aromatic diazo compounds.
Part 16: Synthesis of 1-a-vl-1,3-pentadienes by arylation of piperylene.
Zhur.ob.khim. 32 no.6:1888-1892 Je '62. (MIRA 15:6)

1. Chernovitskiy gosudarstvennyy universitet.
(Piperylene) (Diazo compounds) (Pentadiene)

ZOLOTUKHINA, K.G.; GANUSHCHAK, N.I.; YUKHOMENKO, M.M.; DOMBROVSKIY, A.V.

Tertiary amines and quaternary salts based on 4-chloro-1-aryl-2-butenes
of secondary and tertiary heterocyclic nitrogen bases. Zhur. ob. khim.
33 no.4:1222-1227 Ap '63. (MIRA 16:5)

1. Chernovitskiy gosudarstvennyy universitet.
(Amines) (Heterocyclic compounds)

YUKHOMENKO, M.N.; GANUSHCHAK, N.I.; DOMBROVSKIY, A.V.

Synthesis of 1-arylbuten-2-yl diethylmalonic esters and 1-arylbuten-2-ylacetic acids from chloraryl butenes and sodium malonic ester.
Zhur. ob. khim. 33 no.8:2528-2532 Ag '63. (MIRA 16:11)

1. Chernovitskiy gosudarstvennyy universitet.